

**ABSTRACT OF THE DISCLOSURE**

The invention discloses *Helicobacter* HP30 or HP56 polypeptide, polypeptides derived thereof (HP30-derived or HP56-derived polypeptides), nucleotide sequences encoding said polypeptides, antibodies that specifically bind the HP30, HP56, HP30-derived or HP56-derived polypeptides and T cells specific for HP30, HP56, HP30-derived or HP56-derived polypeptide. Also disclosed are prophylactic or therapeutic compositions, including immunogenic compositions, e.g. vaccines, comprising HP30, HP56, HP30-derived or HP56-derived polypeptides, nucleic acids encoding the same or 10 antibodies thereto. The invention additionally discloses methods of inducing in animals an immune response to *Helicobacter* cells.

15

20

25

30

35